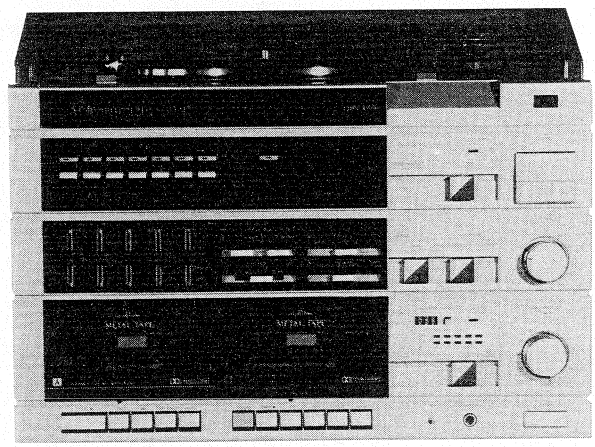
KUNDENDIENST

ITT Graetz

SERVICE

MANUAL
ST 40
GS 680

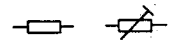
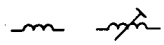
R
149
1985



ST 40: 5565 43 30
GS 680: 5565 43 60

Bei Reparaturen gültige Sicherheitsvorschriften beachten!

Positions-Nr. Reference-No. Numéro de pos.	Gegenstand Description Description	Bestell-Nr. Part-No. No. de comm.
IC 1	LA 1235	3763 14 71
IC 2	LA 3390 A	3763 23 14
IC 3	LA 1245	3763 14 67
IC 201, 202	LA 3161	3768 98 29
IC 203	TC 4066 BP	3763 10 57
IC 204, 205	TA 7629 P	3771 43 28
IC 301, 302	BA 3812 L	3763 23 12
IC 351,352,604	LB 1423 N	3763 23 15
IC 501	STK 4392	3763 23 20
IC 601	TD 6104 P	3763 14 68
IC 602	TC 9147 BP	3763 23 17
IC 603	TD 6301 P	3763 14 70
IC 451	TA 7325 P	3763 14 96
Q 5, 601	2 SC 930 E	3614 49 43
Q 6...11, 141 142, 502, 521, 522	2 SC 536 G-SP	3614 37 40
Q 12	2 SK 315 E	3614 49 83
Q 201...212, 215...220, 602...604	2SC 536 AF	3614 49 87
Q 213,605	2 SA 608 E	3614 49 42
Q 214	2 SC 3400	3614 49 86
Q 501, 503	2 SD 1406 GR	3614 49 85
D 6, 12	GZA 8,2 Y	3656 29 08
D 7,9,11,18,21 201...204,207, 208, 216 514	GMA 01 AT	3656 28 99
D 15, 16	SVC 321-C2	3651 15 08
D 20,601,604,605	DS 442 X	3656 27 86
D 205, 206, 508...512	DS 135 AT	3656 28 93
D 211...213	GZA 9,1 Z	3656 29 10
D 214, 215, 217	GMA 01	3656 29 09
D 351...353, 901	SLP 156 B (LED)	3681 15 38
D 501...504	2 V 20	3656 29 01
D 505	GZA 15 Y	3653 18 70
D 506	GZA 7,5 X	3656 29 02
D 507	GZA 2,2 Z	3656 29 03
D 513	GZA 6,2 Y	3656 27 78
D 602, 603	HZ 2 BLL	3656 29 05
D 606, 620	DS 442	3651 15 89
D 607, 617	SLP 273 B-01 (LED)	3681 16 56
D 608...616	SLP 173 B-01 (LED)	3818 16 55
D 618	Display (LED)	3686 10 79
D 619	SLP 245 B (LED)	3681 16 50

Positions-Nr. Reference-No. Numéro de pos.	Gegenstand Description Description	Bestell-Nr. Part-No. No. de comm.
		
VR 1-2	VOLUME	3112 97 34
VR 201, 202	REC VOLUME	3112 97 35
VR 301	BALANCE	3112 90 65
VR 303,305,307, 309, 311	GRAPHIC EQUALIZER	3118 90 66
SVR 2, 3, 6	22 k	3111 85 62
SVR 4, 203, 204	47 k	3111 86 28
SVR 5,201,202, 205, 206	10 k	3111 86 29
SVR 401, 402	220 k	3111 86 30
SVR 911	2 k	3111 80 35
SVR 912	500 Ohm	3111 51 07
R 49,50,64,99	220 Ohm 1 W	3142 09 07
R 235, 257	68 Ohm 2 W	3141 81 06
R 258	470 Ohm 1 W	3142 08 02
R 357	100 Ohm 1 W	3133 08 24
R 510	4,7 Ohm 0,3 W	3151 18 14
R 531, 532	100 Ohm 0,25 W	3151 81 66
R 535, 536	220 Ohm 1 W	3142 09 06
R 539, 540	270 Ohm 1 W	3133 08 25
R 541	100 Ohm 0,5 W	3151 81 08
R 468	4,7 Ohm 0,5 W	3131 07 72
		
L 1	33 uH	4543 98 03
L 2	100 uH	4543 98 04
L 8	Antenne	4543 97 46
L 9	Antenne	4543 97 45
L 10	Oscillator MW	4543 93 45
L 11	Oscillator LW	4543 93 46
L 12	330 uH	4543 98 01
L 201, 202	Spule	4543 94 30
L 203, 204	Filter	4551 92 43
L 205, 206	Filter	4551 91 40
L 401	Oscillator	4543 99 90
L 701, 702	40 uH	4543 16 85
L 731, 732	Spule	4543 99 92
LPF 1	Filter	4551 92 25
LPF 2, 3	Filter 19 kHz	4551 92 42
T 2	Filter	4551 91 32
T 3	Filter	4551 91 33
T 4	Filter	4551 91 46
T 5	Filter	4551 91 34
CF 1,2	Ceramic Filter	4551 91 35
CF 3	Ceramic Filter	4551 92 47
CF 4	Ceramic Filter	4551 92 46
X 601	Quarz 7,200 MHz	4421 24 05

Positions-Nr. Reference-No. Numéro de pos.	Gegenstand Description Description	Bestell-Nr. Part-No. No. de comm.
CT 4, 5, 6		3412 90 26
CT 7		3412 90 32
C 33,56,116,189, 190,227,228, 313, 314	0,1 uF 50 V miniatur	3422 85 55
C 35,47,64,145 146,147,163, 164,179,180, 191,192, 197...200,207, 208,215...218, 232,234,237, 243,244,301, 302,351,352	10 uF 16 V miniatur	3422 85 30
C 39,57,58,98, 100,183,184, 512	100 uF 16 V miniatur	3422 85 42
C 49,77,105, 106,141,142, 211,212	2,2 uF 50 V	3422 07 05
C 50, 539	220 uF 10 V miniatur	3422 85 29
C 54,104,236, 521, 536	0,47 uF 50 V miniatur	3422 85 56
C 59,84,115, 117,209,210 635,636,461, 462	0,22 uV 50 V miniatur	3422 08 65
C 61,75,85,120, 229,230,239, 240,500,615, 633,634,618, 619,620	1 uF 63 V miniatur	3422 85 28
C 65,78,238	3,3 uF 50 V miniatur	3422 85 48
C 66,127,463,464	100 uF 16 V	3422 28 29
C 71,72,453,454	4,7 uF 25 V miniatur	3422 85 32
C 153,154,169, 170	4,7 uF 50 V miniatur	3422 85 22
C 161,162,177, 178	220 uF 6,3 V miniatur	3422 85 27
C 185,186,231, 233,235,331, 525, 526	220 uF 16 V miniatur	3422 85 18
C 187, 188	0,33 uF 50 V	3422 87 07
C 305, 306, 353	33 uF 16 V	3422 28 25
C 307, 308	0,47 uF 50 V	3422 63 25
C 309, 310	2,2 uF 50 V miniatur	3422 85 09
C 311, 312	0,47 uF 50 V	3422 59 73
C 406	3,3 uF 16 V	3422 27 31
C 506	2200 uF 63 V	3422 09 56
C 459, 460	22 uF 16 V miniatur	3422 85 46
C 515	1000 uF 40 V	3422 47 90
C 520	1000 uF 16 V	3422 85 66
C 507	330 uF 25 V	3422 37 63
C 510	33 uF 10 V miniatur	3422 85 37
C 527, 528	10 uF 50 V	3422 86 19

Positions-Nr. Reference-No. Numéro de pos.	Gegenstand Description Description	Bestell-Nr. Part-No. No. de comm.
C 531, 532	1000 uF 50 V	3422 86 22
C 533, 534	47 uF 63 V miniatur	3422 86 38
C 537	220 uF 63 V	3422 87 09
C 604	470 uF 6,3 V miniatur	3422 87 10
C 610, 611, 613	100 uF 6,3 V miniatur	3422 85 26
C 701	10 nF 400 V	3324 75 01
S 1	POWER	4112 93 42
S 3, 4	FUNCTION	4112 95 04
S 5, 203...205	FM MODE, DOLBY, TAPE SELECT	4112 95 05
	Hebel f. S5,203...205 Lever Levier	8318 45 74
S 201	Record/Play	4112 95 35
S 202	TAPE A/B	4112 95 36
S 401	BEAT CUT	4112 94 78
S 601...607, 701, 702	FM PRESET TUNING UP, DOWN	4112 95 26
Jk 1	HEADPHONE	4144 81 56
Jk 2	MICROPHONE	4144 81 57
	AM/FM ANTENNA	4145 09 29
	AUX	4144 81 63
	SPEAKERS	4145 09 30

		≈		mV ≈	FM MHz AM kHz			!
MW	1.	460 kHz TP7 via 20 nF	TP8, ⊥		522 kHz	T4, T5	maximum	Ⓐ
	2.			TP6, ⊥	522 kHz	L 10	1,3 V—	
	3.			TP6, ⊥	1611 kHz	CT 6	7,8 V—	
	1., 2., 3.	„	„	„	„	„	„	
	4.	ANTENNA 75 Ω 603 kHz 0,4 mV		SPEAKERS	603 kHz	L 8	maximum	
	5.	ANTENNA 75 Ω 603 kHz 0,4 mV		SPEAKERS	1404 kHz	CT 4	maximum	
	4., 5.	„	„	„	„	„	„	
	6.	999 kHz 10 mV			999 kHz	SVR 6	SIGNAL	
LW	1.			TP6, ⊥	153 kHz	L 11	1,3 V—	
	2.				360 kHz	CT 7	7,8 V—	
	3.	ANTENNA 75 Ω 350 kHz 1,2 mV		SPEAKERS	155 kHz	L 9	maximum	
	4.	ANTENNA 75 Ω 350 kHz 1,2 mV		SPEAKERS	350 kHz	CT 5	maximum	
	3., 4.	„	„	„	„	„	„	
FM	1.	ANTENNA 98,0 MHz ± 40 kHz		TP3, TP4	98,0 MHz	T2	< 10 mV	
	2.	1 mV 1 kHz mod.	SPEAKERS		98,0 MHz	T3	≈	
	1., 2.	„	„	„	„	„		
	3.	4 µV			98,0 MHz	SVR 2	SIGNAL	
	4.	7 µV		IC 1/pin 12, ⊥	98,0 MHz	SVR 3	> 4,5 V—	
FM STEREO			8888 f					
	5.		TP5, ⊥			SVR 5	19,00 kHz	
	6.	ANTENNA 98 MHz 1 mV L STEREO R		SPEAKERS LEFT	98,0 MHz	SVR 4	minimum	
	7.	L STEREO R		SPEAKERS RIGHT	98,0 MHz	SVR 4	minimum	minimum L = minimum R
	6., 7.	„	„	„	„	„	„	
		≈	mV ≈	8888 f				!
TAPE A TAPE B			SPEAKERS LEFT, RIGHT		10 kHz ▶		maximum	
				SPEAKERS LEFT, RIGHT	3 kHz ▶	Motor	3 kHz ± 15 Hz	
TAPE A			CP 207, Pin 2		DOLBY* 400 Hz TAPE A, ▶	SVR 201	580 mV	
			CP 207, Pin 3		DOLBY* 400 Hz TAPE A, ▶	SVR 202	580 mV	
TAPE B			CP 207, Pin 2		DOLBY* 400 Hz TAPE A, ▶	SVR 203	580 mV	
			CP 207, Pin 3		DOLBY* 400 Hz TAPE A, ▶	SVR 204	580 mV	
				R 401	●	L 401	61,5 kHz ± 0,1 kHz	
			TP 201		NORMAL, ●	SVR 401	≈ 4 mV	
			TP 202		NORMAL, ●	SVR 402	≈ 4 mV	
		333 Hz, VR 201	CP 207, Pin 2		●	SVR 205	245 mV (VR 201)	
		333 Hz, VR 202	CP 207, Pin 3		●	SVR 206	245 mV (VR 202)	
			CP 207, Pin 2		▷		245 mV	
			CP 207, Pin 3		▷		245 mV	

* Geräuschunterdrückungssystem unter Lizenz von Dolby Laboratories Licensing Corporation hergestellt. Das Wort „Dolby" und das Symbol des Doppelten D sind die Warenzeichen von Dolby Laboratories Licensing Corporation.

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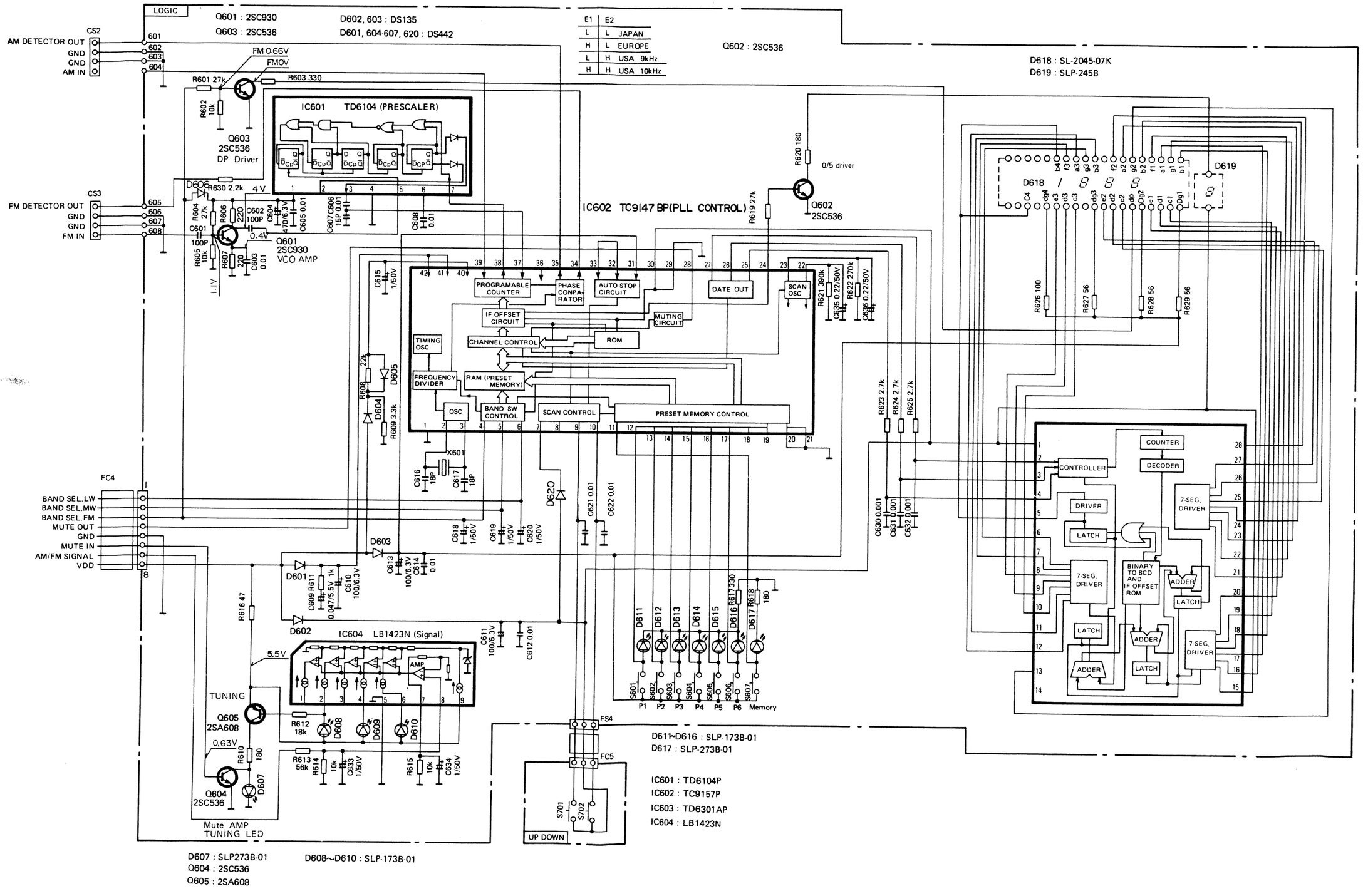

LOGIC
Q601 : 2SC930
Q603 : 2SC536
D602, 603 : DS135
D601, 604-607, 620 : DS442
E1 E2
L L JAPAN
H L EUROPE
L H USA 9kHz
H H USA 10kHz
Q602 : 2SC536
D618 : SL-2045-07K
D619 : SLP-245B
CS2
AM DETECTOR OUT
GND
GND
AM IN
601
602
603
604
FM 0.66V
FMOV
R601 27k
R603 330
R602 10k
Q603
2SC536
DP Driver
IC601 TD6104 (PRESCALER)
D606
R630 2.2k
4 V
CS3
FM DETECTOR OUT
GND
GND
FM IN
605
606
607
608
R604 27k
R606 220
C602 100P
C604 470/6.3V
C605 0.01
C607 C606 15P 0.01
C608 0.01
C601 100P
R605 10k
R607 220
C603 0.01
1.1V
0.4V
Q601
2SC930
VCO AMP
IC602 TC9147BP(PLL CONTROL)
R619 27k
R620 180
0/5 driver
Q602
2SC536
PROGRAMABLE COUNTER
PHASE CONPA-RATOR
AUTO STOP CIRCUIT
DATE OUT
SCAN OSC
IF OFFSET CIRCUIT
MUTING CIRCUIT
CHANNEL CONTROL
ROM
TIMING OSC
FREQUENCY DIVIDER
RAM (PRESET MEMORY)
OSC
BAND SW CONTROL
SCAN CONTROL
PRESET MEMORY CONTROL
X601
C616 18P
C617 18P
C615 1/50V
R608 22k
D605
D604
R609 3.3k
D620
C621 0.01
C622 0.01
C618 1/50V
C619 1/50V
C620 1/50V
R621 390k
R622 270k
C635 0.22/50V
C636 0.22/50V
R623 2.7k
R624 2.7k
R625 2.7k
C630 0.001
C631 0.001
C632 0.001
R626 100
R627 56
R628 56
R629 56
D618
D619
FC4
BAND SEL.LW
BAND SEL.MW
BAND SEL.FM
MUTE OUT
GND
MUTE IN
AM/FM SIGNAL
VDD
D603
C613 100/6.3V
C614 0.01
D601
C609 R611 0.047/5.5V 1k
C610 100/6.3V
R616 47
D602
IC604 LB1423N (Signal)
C611 100/6.3V
C612 0.01
5.5V
AMP
TUNING
Q605
2SA608
R612 18k
D608
D609
D610
0.63V
R610 180
R613 56k
R614 10k
C633 1/50V
R615 10k
C634 1/50V
Q604
2SC536
D607
Mute AMP
TUNING LED
D607 : SLP273B-01
Q604 : 2SC536
Q605 : 2SA608
D608~D610 : SLP-173B-01
D611 D612 D613 D614 D615 D616 R617 330 D617 R618 180
S601 S602 S603 S604 S605 S606 S607
P1 P2 P3 P4 P5 P6 Memory
FS4
FC5
S701
S702
UP DOWN
D611~D616 : SLP-173B-01
D617 : SLP-273B-01
IC601 : TD6104P
IC602 : TC9157P
IC603 : TD6301AP
IC604 : LB1423N
COUNTER
DECODER
CONTROLLER
DRIVER
LATCH
7-SEG. DRIVER
BINARY TO BCD AND IF OFFSET ROM
ADDER

MAIN

D6 : GZA8.2

Q5 : 2SC930 (IF AMP)

IC1 : LA1235 FM IF & DET

IC2 : LA3390A MPX

IC3 : LA1245 AM TUNER

FM FRONTEND

Q6, 7 : 2SC536 (FM L.P.F)

Q8, 9 2SC536 (AM L.P.F)

Q10, 11 : 2SC536 (SWITCHING)

Q12 : 2SK315 (AM RF AMP)

D15, 16 : SVC321

D20, 21 : DS442

D7 D7~18 : DS442

PHONO EQ

IC451 TA7325P PHONO EQ

PHONO MOTOR

D901 : SPL156B

STEREO IND

TO LOGIC P.W.B. SCHEMATIC (3/4)

TO SCHEMATIC (4/4)

TO SCHEMATIC (2/4)

CHASSIS

S3-1~S3-6 FM(ON) MW LW

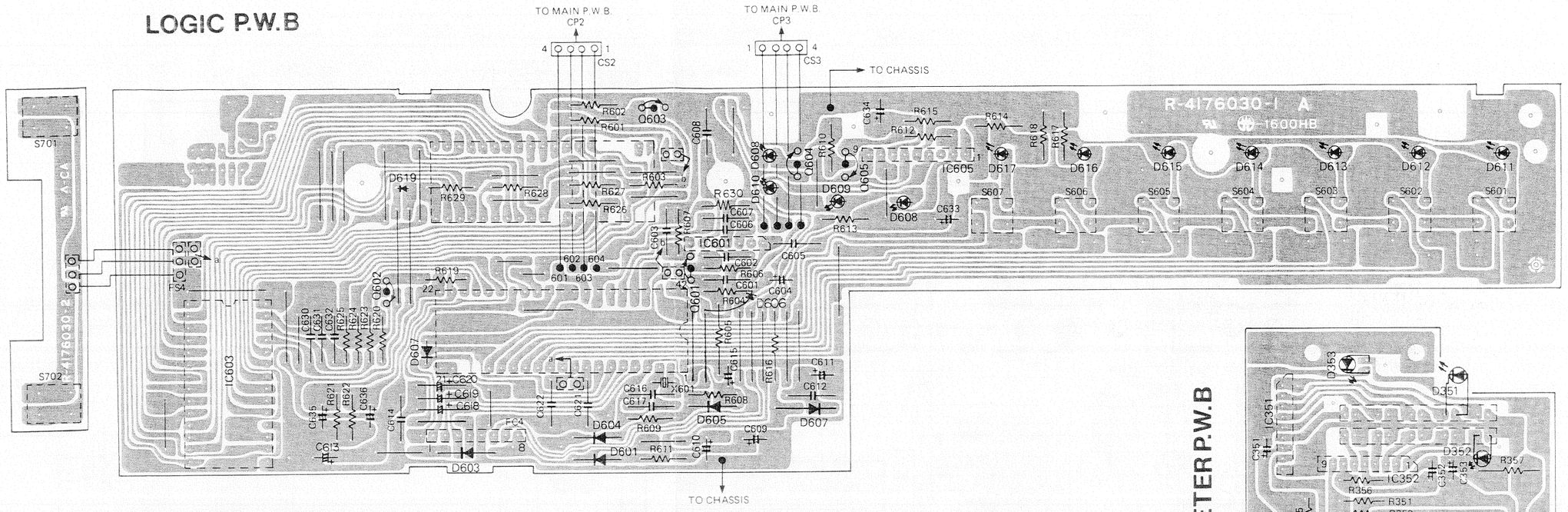
S4-1~S4-6 RADIO SOURCE TAPE

S5-1, 2 STEREO MONO

S6-1, 2 AUX PHONO

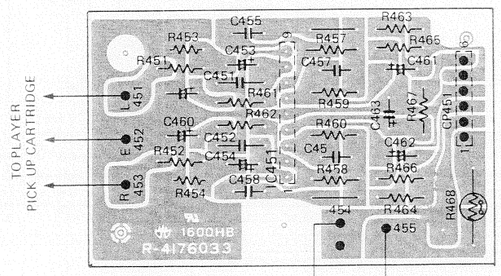
FUNCTION	PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
F M	IC1	2.6	2.6	2.6	0	0	6.0	6.5	6.1	6.1	6.1	13.2	5.9	0.1	0	0.1	0.17				
F M	IC2	12.7	4.4	4.4	0.2	4.4	0	4.3	4.0	4.3	3.9	2.6	0	15.4	2.3	2.8	2.1	2.3	2.3	2.3	4.1
M W	IC2	-	-	-	4.4	0	2.1	-	-	-	-	0	-	-	-	2.5	-	-	-	-	-
M W	IC3	0	2.1	2.7	0	10.3	2.0	10.8	10.8	2.7	8.5	0.67	0	2.0	12.4	1.6	0	2.0	5.6	5.6	2.9
PHONO	IC4	1.3	1.3	4.9	1.4	0	4.9	1.3	1.3	0											

LOGIC P.W.B

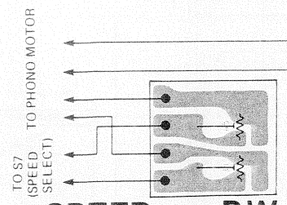


UP DOWN P.W.B

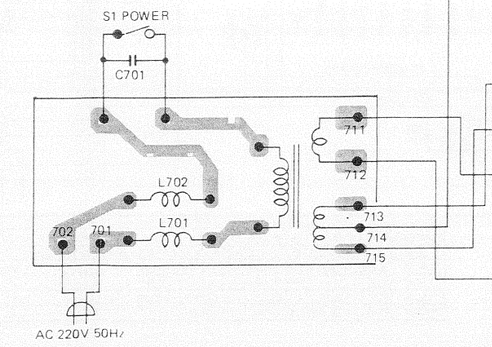
PHONO EQ P.W.B



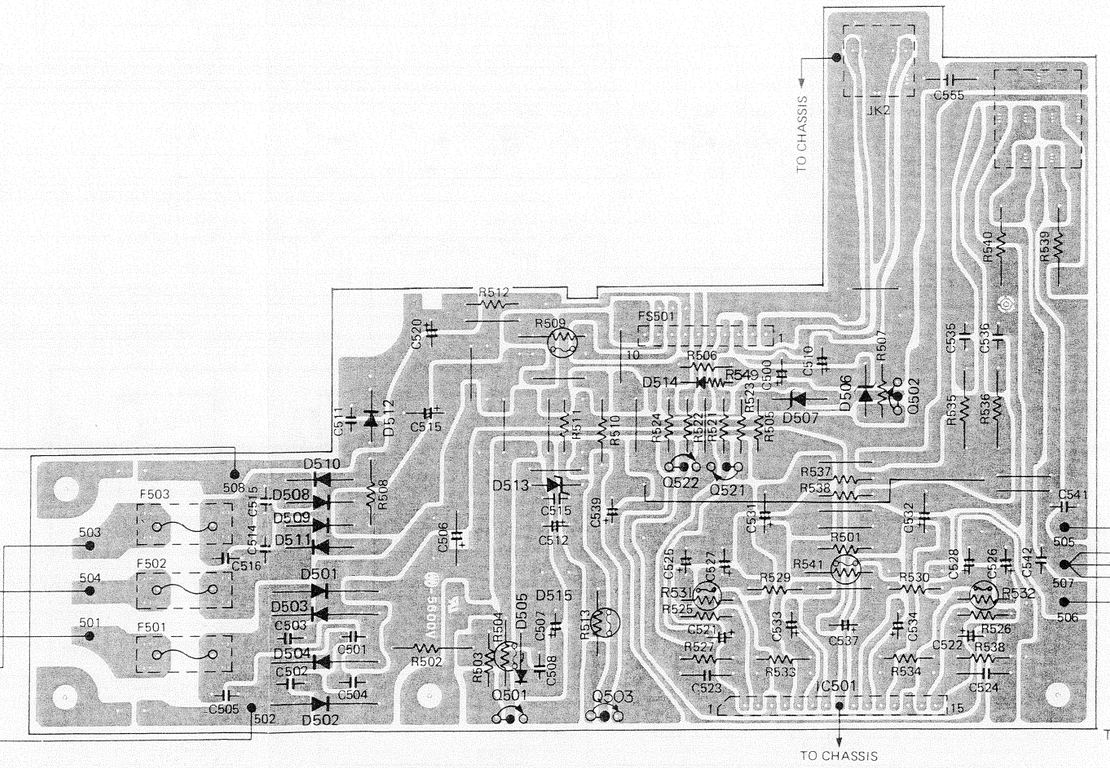
SPEED P.W.B



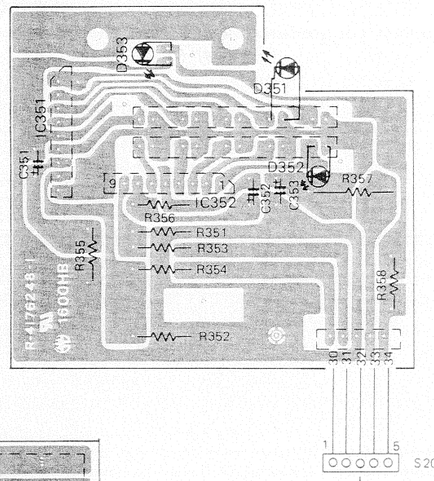
POWER P.W.B



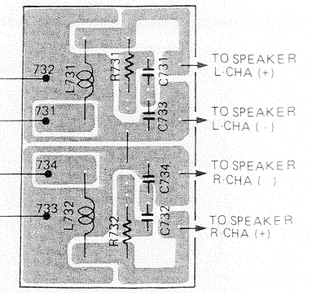
AMP P.W.B

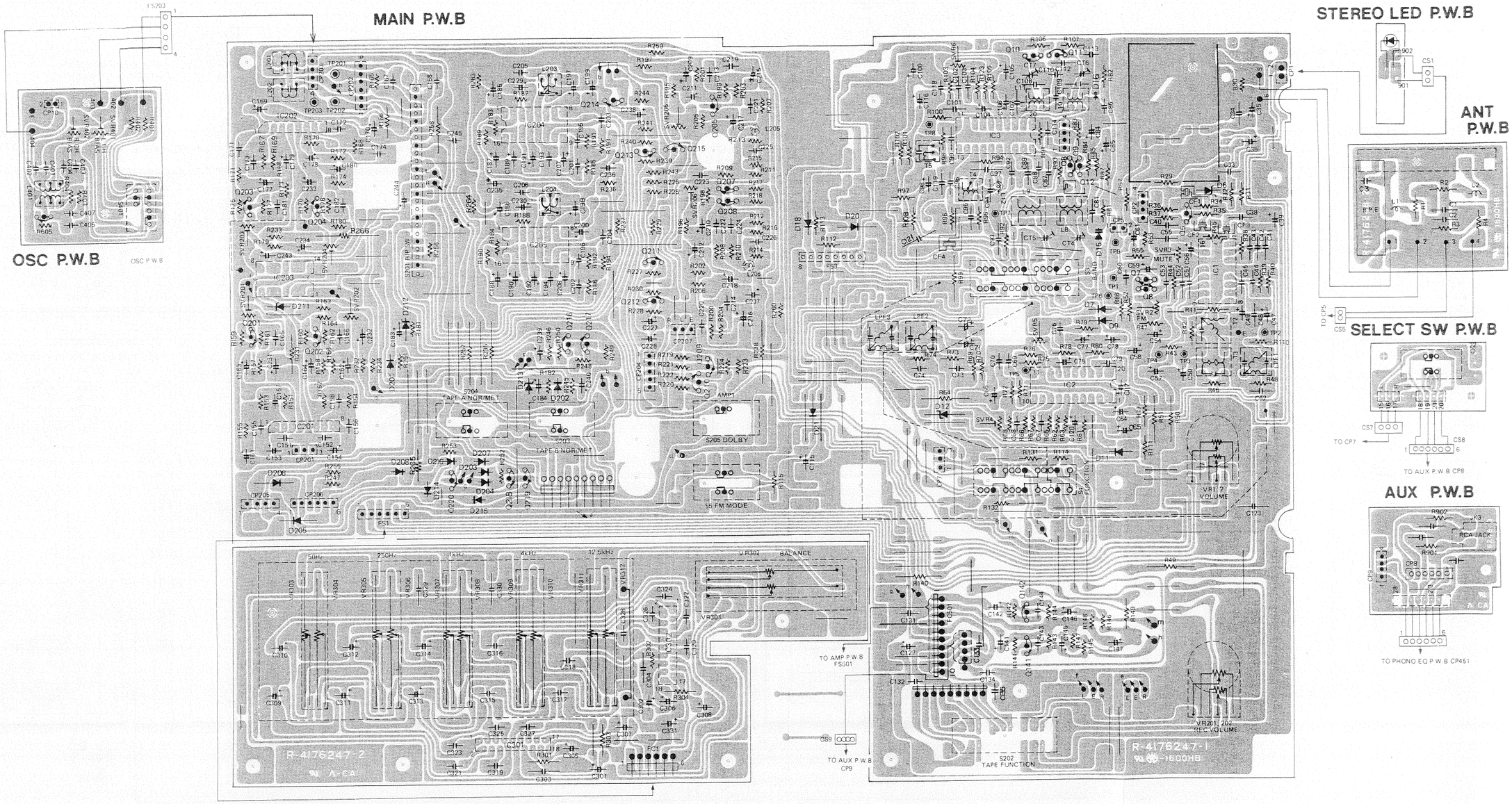


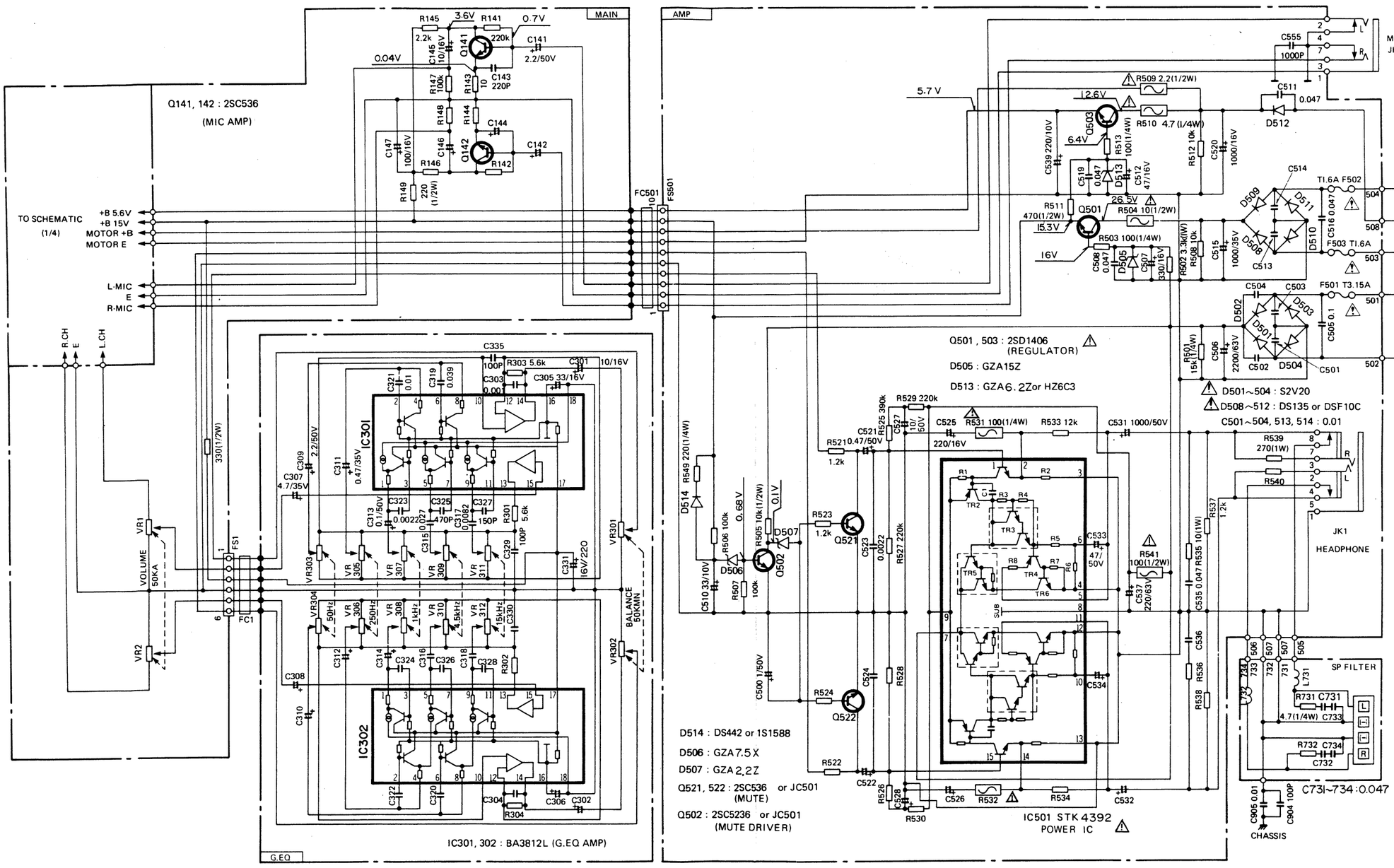
LED METER P.W.B



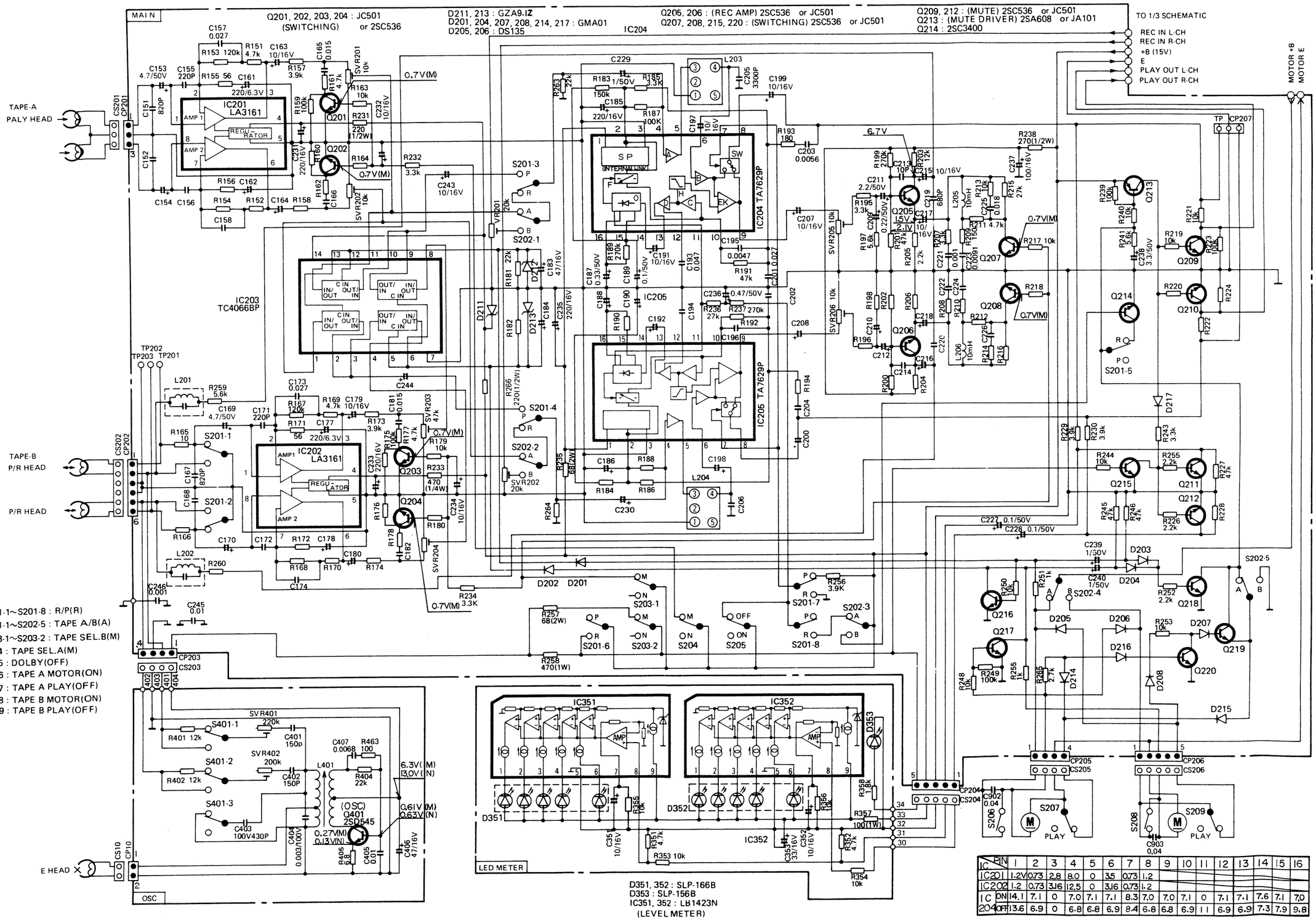
SP FILTER P.W.B




OSC P.W.B
OSC P W B
MAIN P.W.B
STEREO LED P.W.B
ANT P.W.B
SELECT SW P.W.B
AUX P.W.B
TO AUX P.W.B CP8
TO PHONO EQ P.W.B CP451
TO AMP P.W.B FSG01
TO AUX P.W.B CP9
TO CP7
TO CS5
G. EQ. P.W.B
R-4176247-2
R-4176247-1
S202 TAPE FUNCTION
S205 DOLBY
S5 FM MODE
VR301 BALANCE
VR1 2 VOLUME
VR201 202 REC VOLUME
RCA JACK

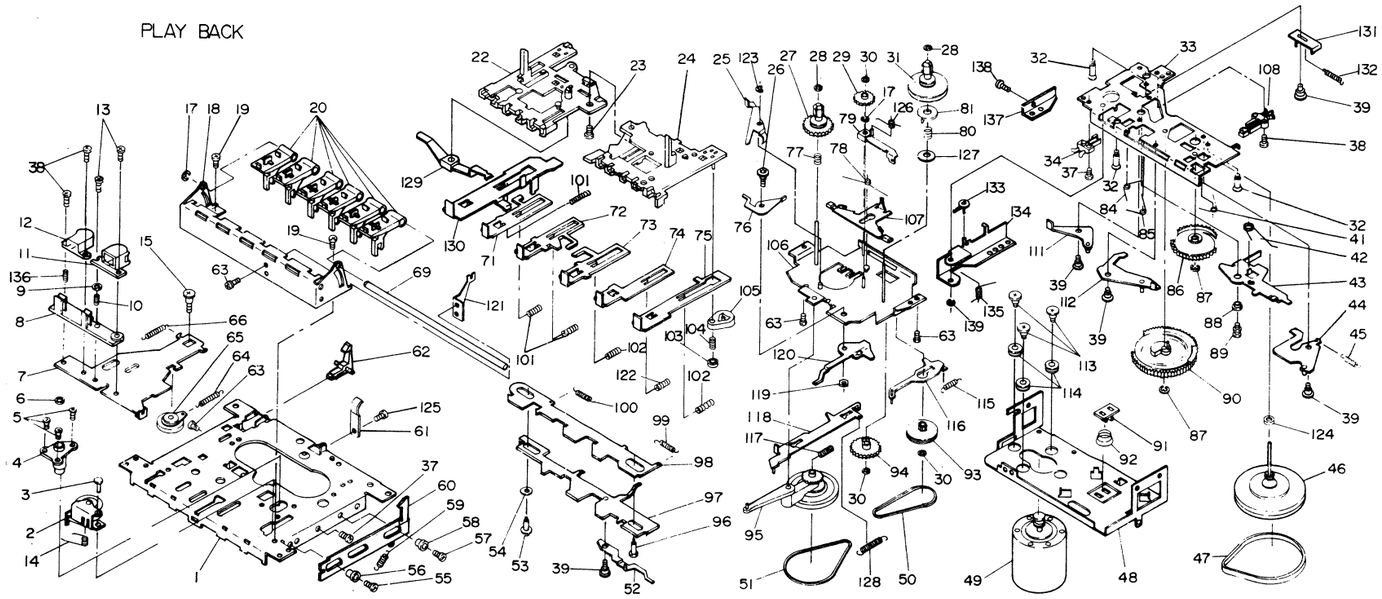


IC / PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
IC301	5.1	6.2	6.2	5.1	5.1	6.2	6.25	5.1	5.1	5.5	6.2	5.5	5.5	5.5	6.2	6.2	10.6	0
IC501	12.2	11.9	0	0	24.5	5.6	4.85	0	47.5	5.7	24.2	0	0	11.7	12.1			

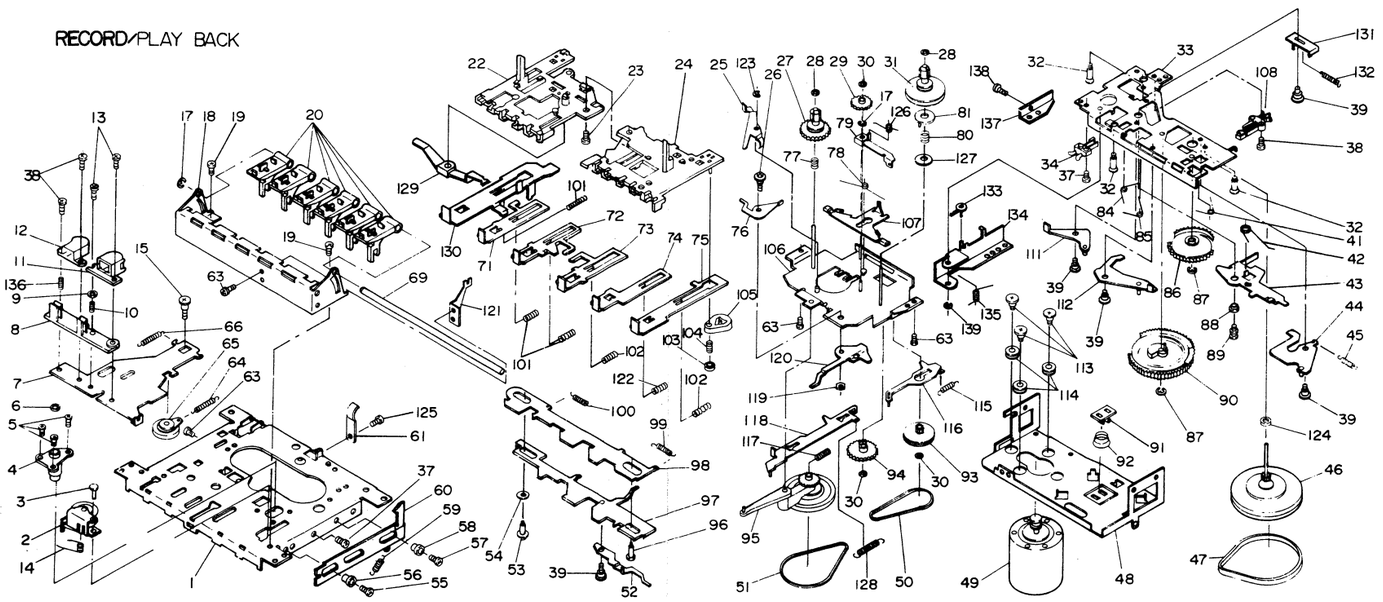


IC	PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
IC201		1.2V	0.73	2.8	8.0	0	3.5	0.73	1.2								
IC202		1.2	0.73	3.16	12.5	0	3.16	0.73	1.2								
IC 204	ON	14.1	7.1	0	7.0	7.1	7.1	8.3	7.0	7.0	7.1	0	7.1	7.1	7.6	7.1	7.0
	OFF	13.6	6.9	0	6.8	6.8	6.9	8.4	6.8	6.8	6.9	11	6.9	6.9	7.3	7.9	9.8

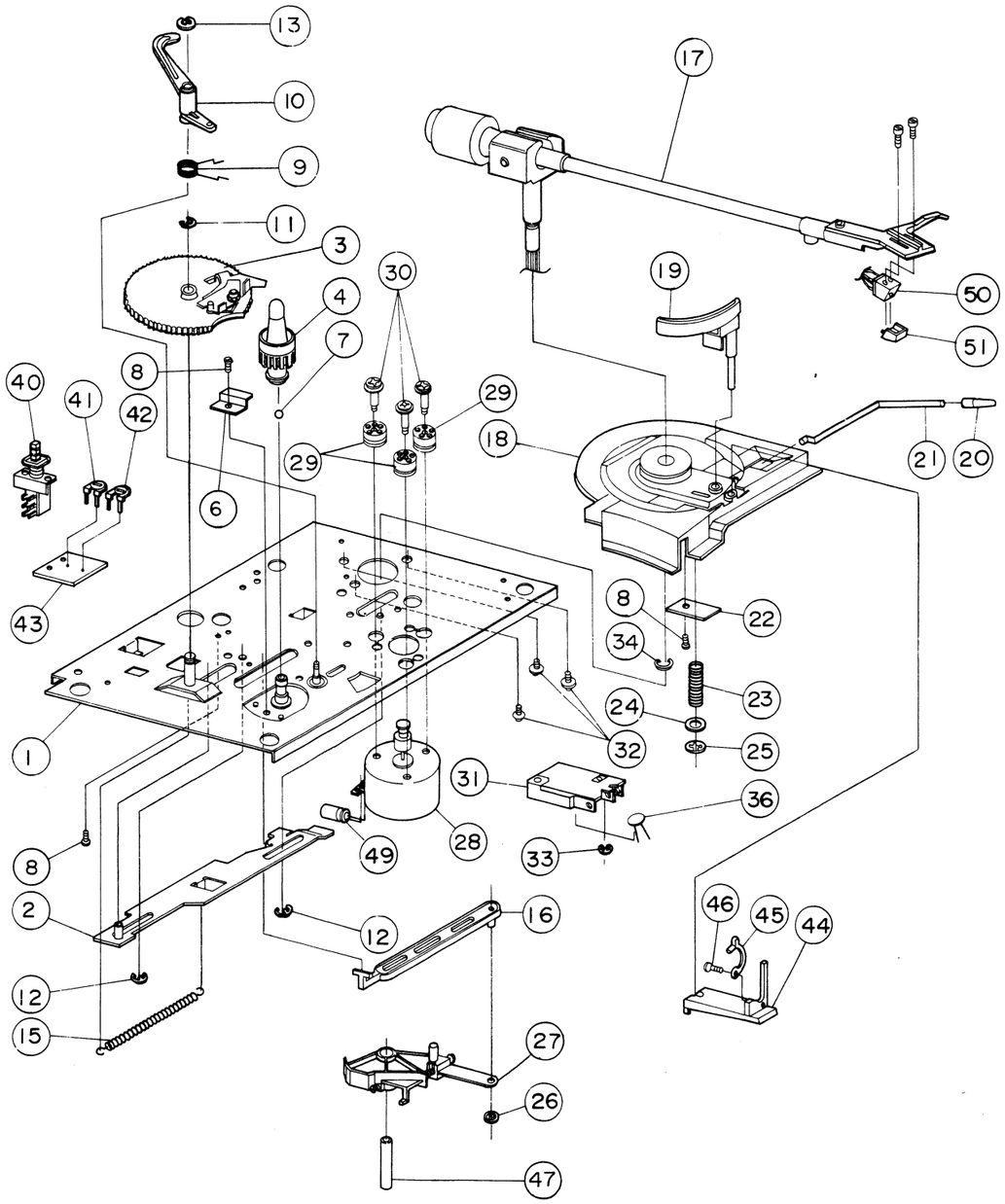
PLAY BACK



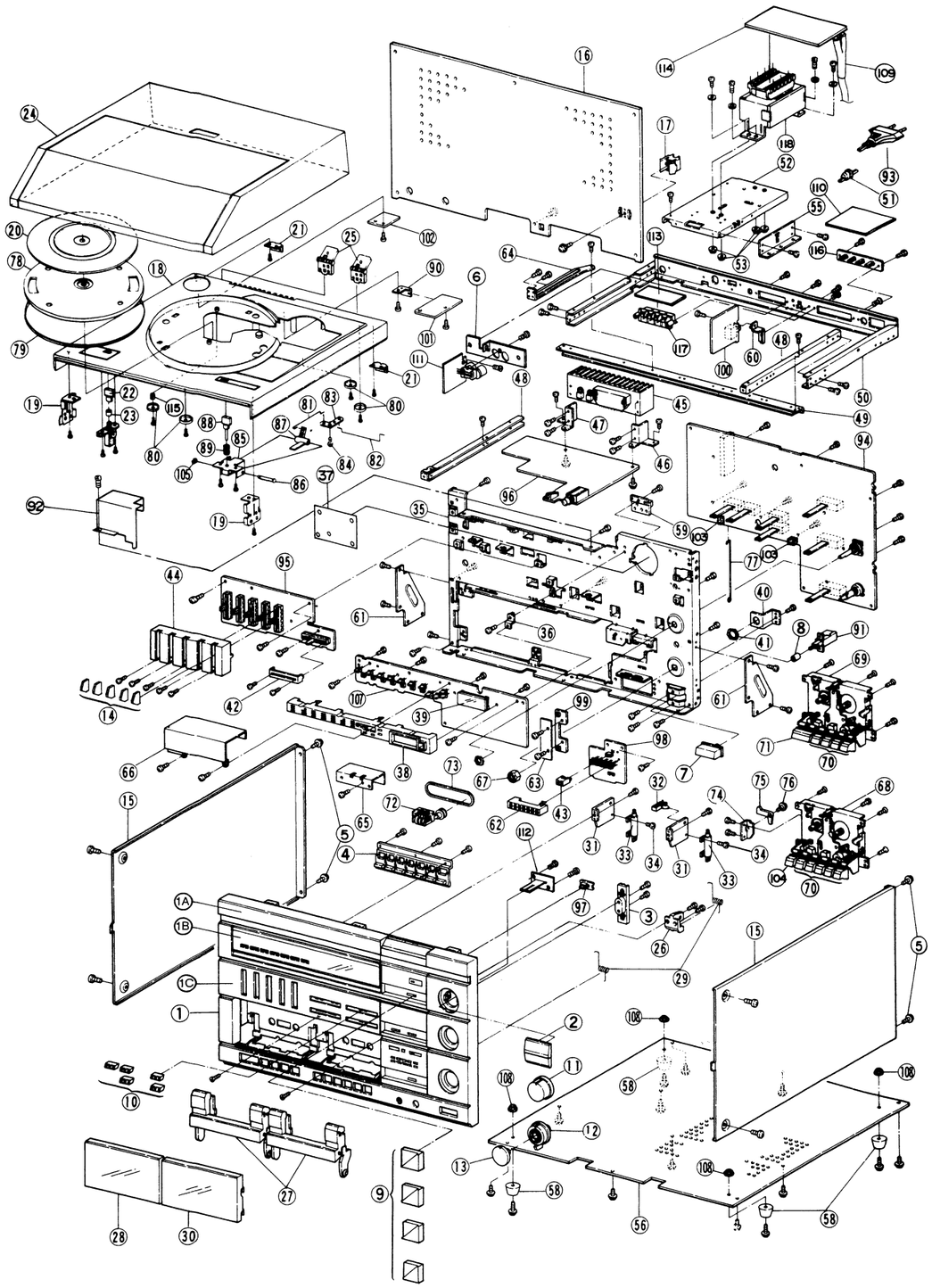
RECORD/PLAY BACK



Positions-Nr. Reference-No. Numéro de position	Bestell-Nr. Part-No. Numéro de commande
CASSETTE A	5863 11 45
(CASSETTE B)	5863 11 43
2	7538 33 42
3	8681 23 80
4	7618 42 18
5	7858 01 44
6	7726 59 25
7	8318 46 59
8	8681 37 54
9	8188 02 21
10	7358 26 73
11	4335 91 98
12	4337 91 52 (4337 91 49)
14	7358 23 16
15	7858 01 45
18	8318 46 60
20	8681 37 55
22	8681 37 56
24	8681 37 57
25	8318 46 62
26	7858 01 46
27	6253 41 42
28	7726 05 33
29	7525 09 73
30	8188 03 98
31	6253 41 43
32	7858 01 47
33	8318 46 89 (8318 46 63)
34	4188 04 34
39	7578 05 47
41	7358 24 83
42	7358 24 84
43	8318 46 65
44	8318 46 66
45	7358 33 71
46	7518 40 90
47	7618 42 21
48	8318 46 67
49	4432 92 03
50	7618 42 19
51	7618 42 20
52	8318 46 68
53	7858 01 48
56	6568 11 53
58	6568 11 54
59	7358 28 57
60	8681 37 58
61	7358 24 86
(62	8681 23 78)
64	7358 24 87
65	7548 41 84
66	7358 24 88
69	7578 05 48
71	8318 46 70
72	8318 46 71
73	8318 46 72
74	8318 46 73
75	8318 46 74
76	8318 46 75
77	7358 24 89
78	7358 24 90
79	8318 46 76
80	7358 24 91
81	8681 37 59
84	7358 24 93
85	7358 24 94
86	7525 10 31
88	6568 11 55
90	7525 10 32
91	8681 37 60
92	7358 24 95
93	7548 41 85
94	7525 10 33
95	7424 01 20
96	7858 01 49
97	8318 46 78
98	8318 46 79
99	7358 24 96
100	7358 24 97
101	7358 24 98
102	7358 26 80
103	8641 23 22
104	7358 24 99
105	8681 37 62
106	8318 46 80
107	8318 46 81
108	4188 04 08
111	8318 46 82
112	8318 46 83
113	7858 01 50
114	6552 23 41
115	7358 23 03
116	8318 46 84
117	7358 23 04
118	8318 46 85
119	7578 05 49
120	8318 46 86
121	8318 46 87
122	7358 23 07
(123	8318 46 88)
126	7358 23 05
127	7726 05 34
(128	7358 23 06)
(129	8318 46 61)
(130	8318 46 69)
(131	8318 46 64)
(132	7358 24 82)
(133	7358 24 92)
(134	8318 46 77)
(135	7358 23 02)
(136	7358 33 60)
(137	8318 46 88)



Positions-Nr. Reference-No. Numéro de position	Bestell-Nr. Part-No. Numéro de commande
PHONO	5863 20 85
1	6257 41 39
2	6257 41 06
3	6257 41 07
4	6257 41 40
6	6257 41 10
7	6257 41 41
9	6257 41 12
10	6257 41 13
15	6257 41 24
16	6257 41 14
17	6257 41 42
18	6257 41 43
19	6257 41 19
20	6257 41 20
21	6257 41 21
22	6257 41 22
23	6257 41 23
27	6257 41 30
28	6257 41 03
29	6257 41 25
30	6257 41 26
31	4115 86 26
40	4112 93 28
41	3111 80 05
42	3111 00 05
43	6257 41 28
44	6257 41 31
45	6257 41 29
47	6257 41 44
49	3422 85 46
50	6257 41 02
51	6257 41 45



Positions-Nr. Reference-No. Numéro de position	Bestell-Nr. Part-No. Numéro de commande
ST 40 (GS 680)	
1	6134 46 30 (6134 46 48)
1A	6466 06 17 (6466 06 26)
1B	6466 06 18
1C	6466 06 10 (6466 06 27)
2	6318 35 74
3	8681 37 71
4	6318 35 75
7	6318 35 19
8	8681 21 39
9	6328 09 16 (6328 09 34)
10	6328 09 17
11	6328 09 19
12	6318 35 76
13	6318 35 77
14	6328 09 21
15	6123 08 82
16	6214 04 11 (6214 04 12)
17	8318 47 01
18	6134 37 85
19	8318 46 96
20	6257 41 37
21	8318 46 97
22	6328 09 22
23	8681 21 39
24	6114 07 24 (6113 07 25)
25	6352 10 18
26	8681 37 47
27	8681 36 83
28	6466 06 11 (6466 06 24)
29	7358 24 77
30	6466 06 12 (6466 06 25)
31	8318 46 48
33	7522 02 08
34	7858 01 41
36	8318 46 98
38	8318 46 99
39	8318 47 02
43	8681 37 49
44	8318 46 50
51	8681 09 85
56	6134 46 29
58	6273 40 13
62	8318 47 03
67	7711 01 71
68	5863 11 43
69	5863 11 45
70	6318 35 20
71	6318 35 79
72	6467 16 79
73	7618 42 13
74	8318 46 51
75	8681 37 50
76	7858 01 42
77	8318 47 04
78	6257 41 38
79	7618 42 15
80	6257 41 33
81	8318 46 53
82	8318 46 54
83	8318 46 55
84	7858 01 43
85	8318 46 56
86	7578 05 45
87	6257 39 42
88	6318 35 80
89	7358 24 79
90	8318 47 05
93	4131 40 45
94	6913 29 17
95	6913 29 18
96	6913 29 19
97	6913 29 23
98	6913 29 20
99	6913 29 28
100	6913 29 29
101	6913 29 69
102	6913 29 68
104	6318 35 78
107	6913 29 27
109	8681 36 12
110	6913 29 21
111	6913 29 22
112	6913 29 24
113	6913 29 25
114	6913 29 26
118	4511 33 39
201	6257 41 34
202	6257 41 35
203	6257 41 36

Ersatzteil-
Bestellungen

O 072 31/ 1 33 38
O 072 31/35 66 65

BTX-Ersatzteil-Bestellseite

* 4050065

Herausgegeben von:
Standard Elektrik Lorenz Aktiengesellschaft
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7530 Pforzheim, Östliche 132, Postfach 1526

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6611 83 97 (390) S